

FIG. 1

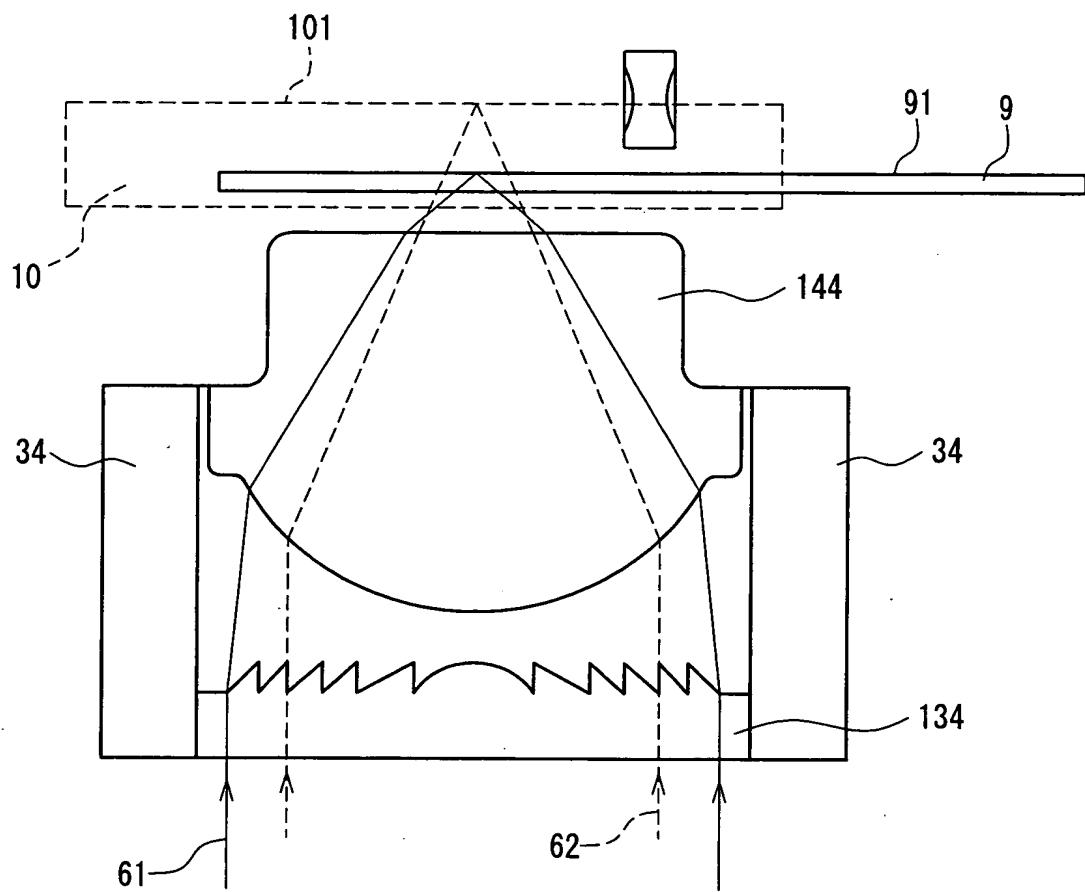


FIG. 2

FIG. 3A

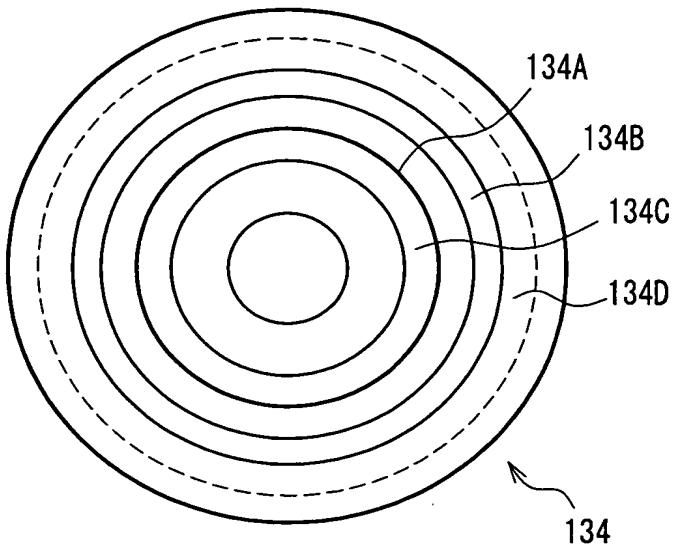


FIG. 3B

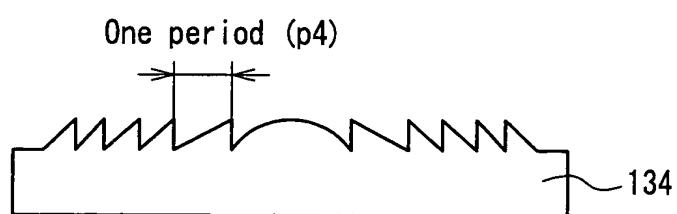


FIG. 4A

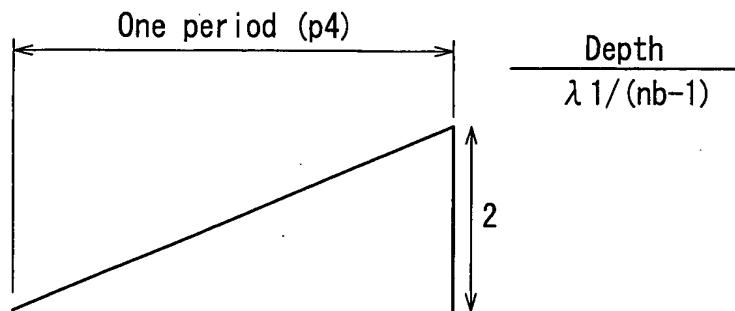


FIG. 4B

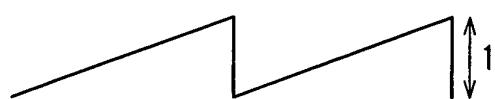
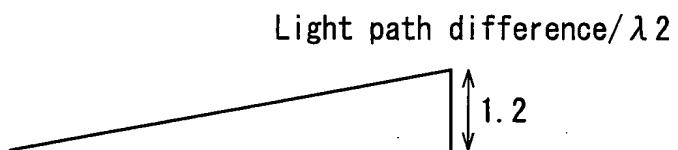


FIG. 4C



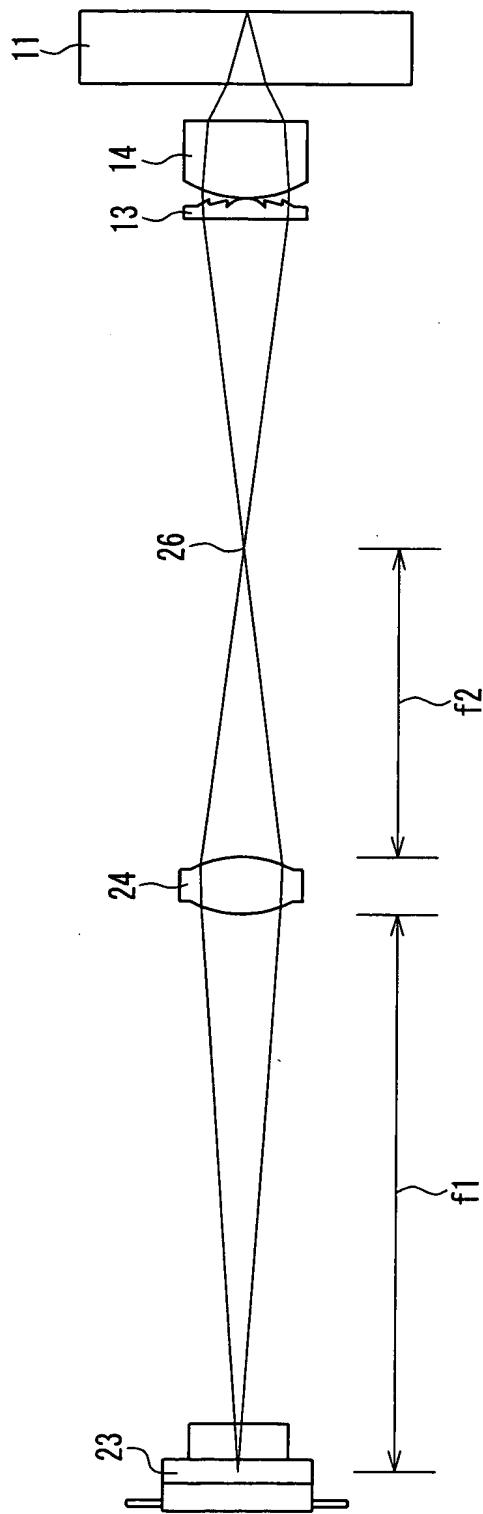


FIG. 5A

FIG. 5B

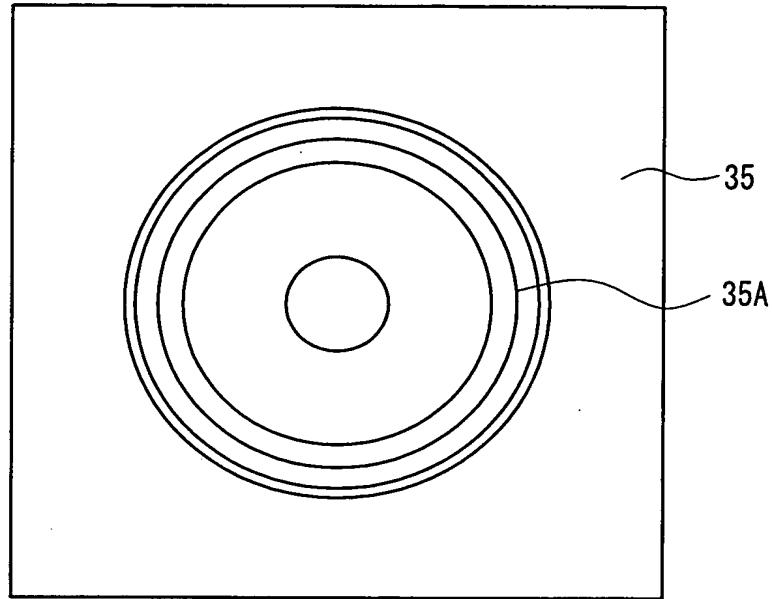
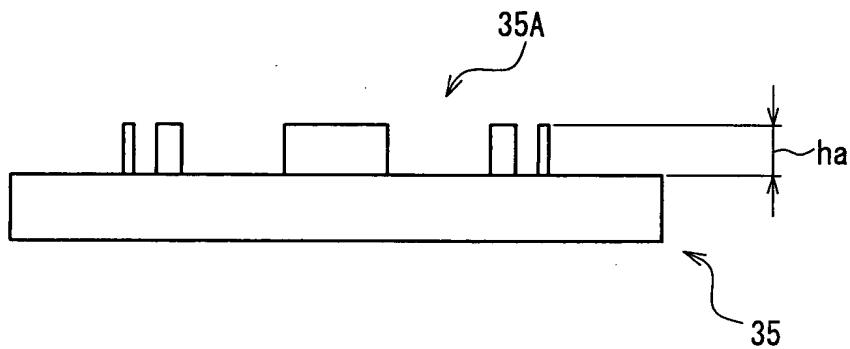


FIG. 5C



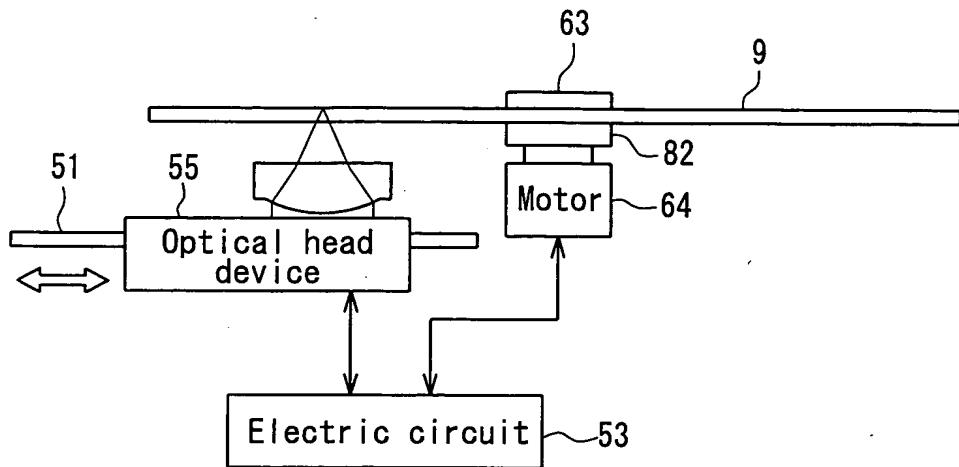


FIG. 6

Inventor: KOMMA
Docket No.: 10873.1406US01
Title: OPTICAL HEAD DEVICE AND OPTICAL INFORMATION DEVICE USING THE
SAME, COMPUTER, OPTICAL DISK PLAYER, CAR NAVIGATION SYSTEM, OPTICAL
DISK RECORDER, AND OPTICAL DISK SERVER
Attorney Name: Douglas P. Mueller
Phone No.: 612.371.5237
Sheet 8 of 13

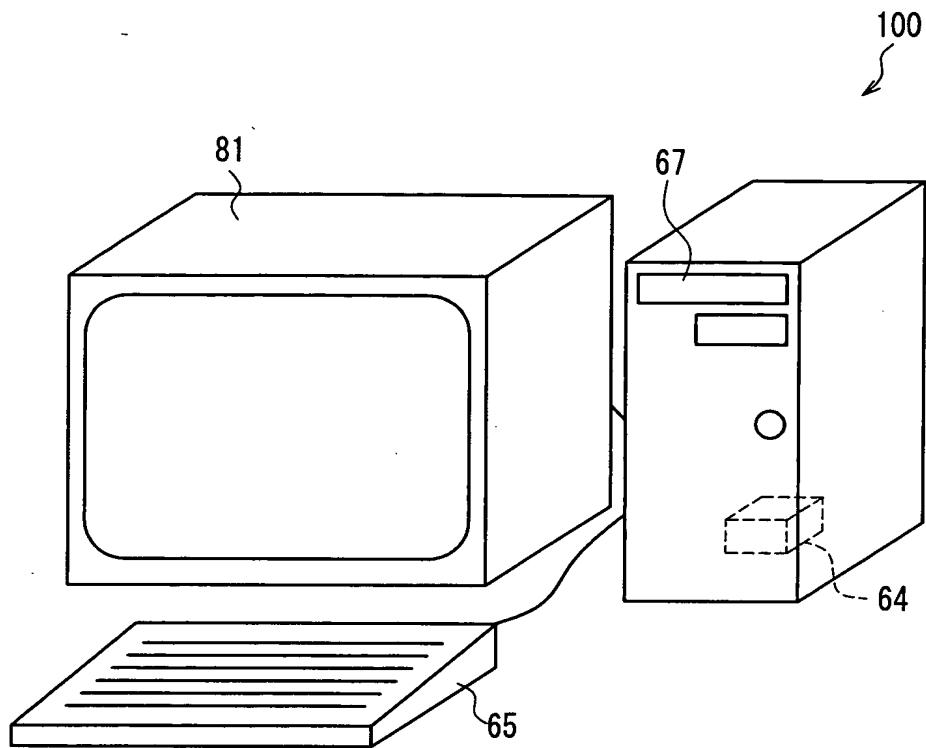


FIG. 7

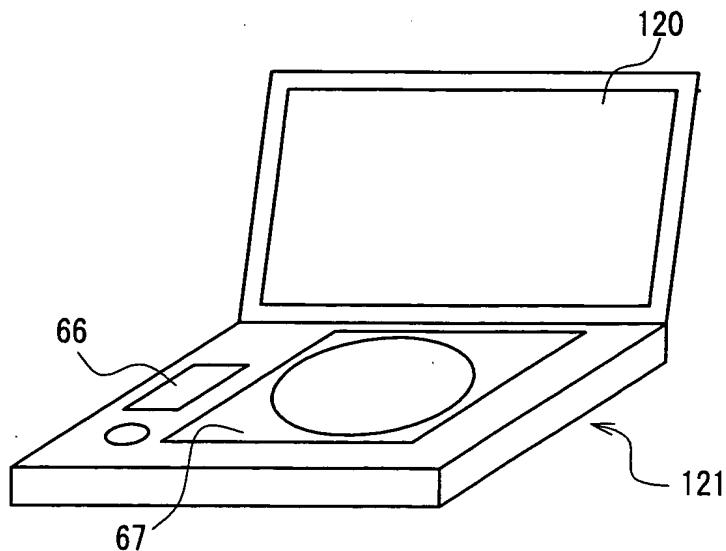


FIG. 8

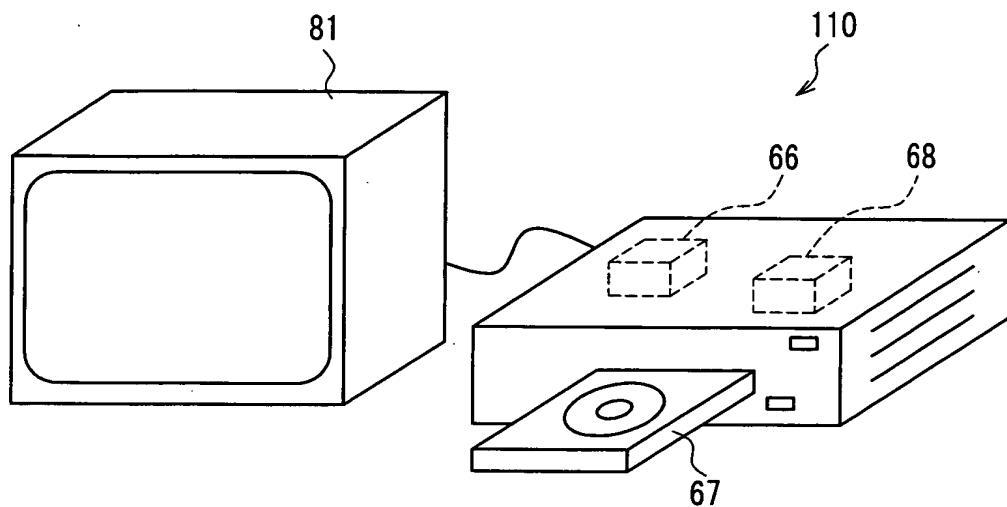


FIG. 9

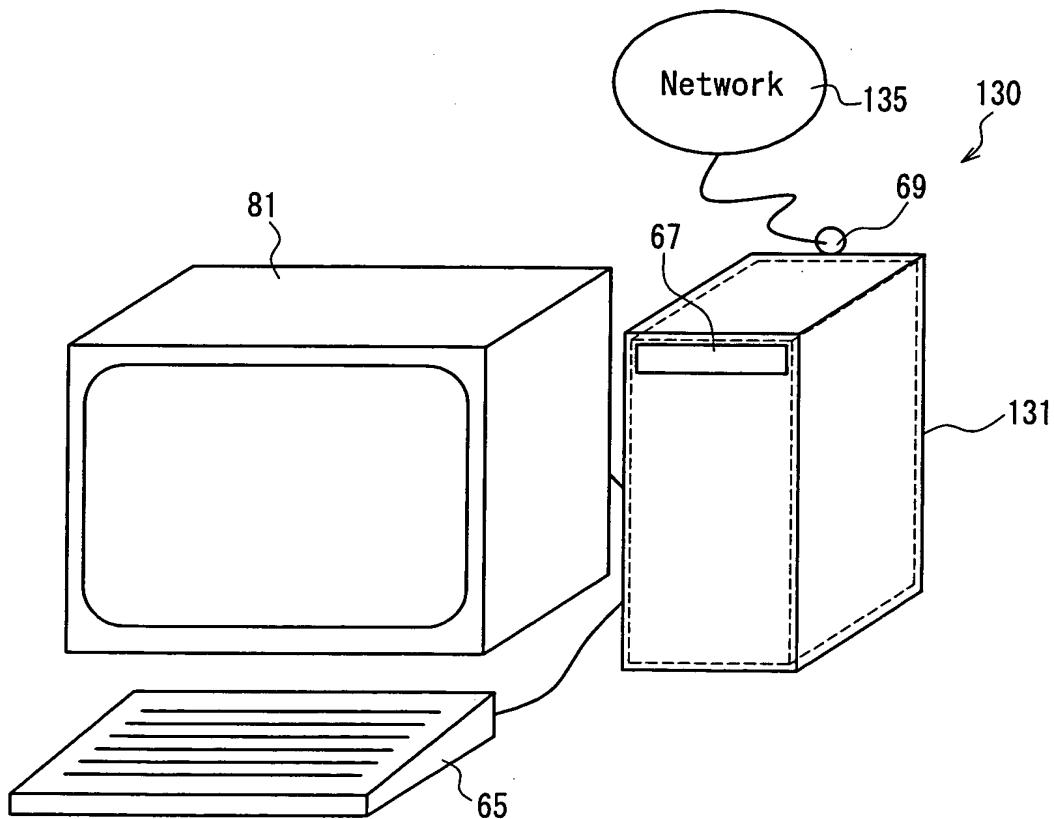


FIG. 10

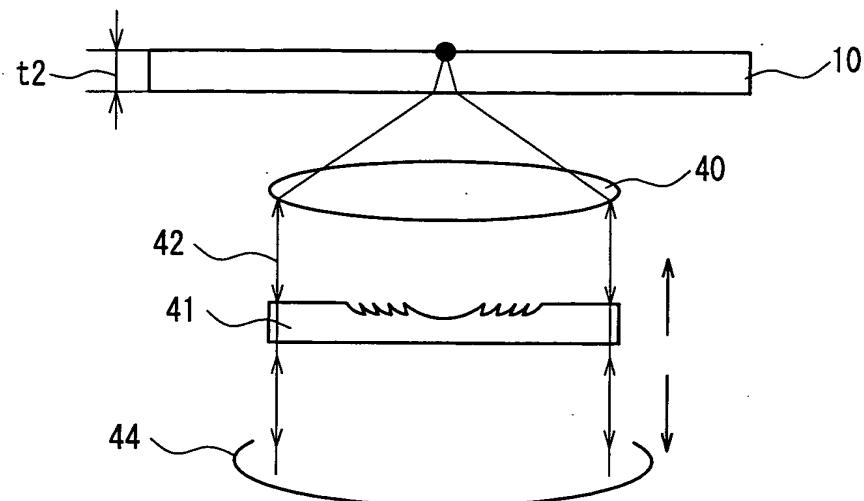


FIG. 11A
PRIOR ART

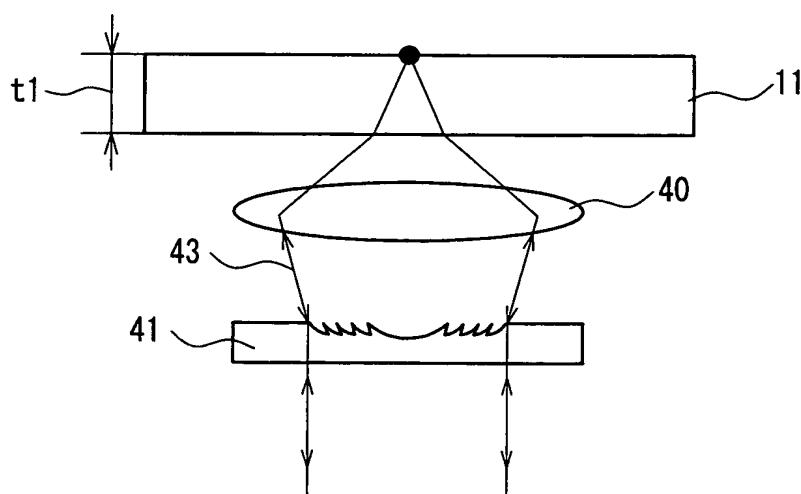


FIG. 11B
PRIOR ART

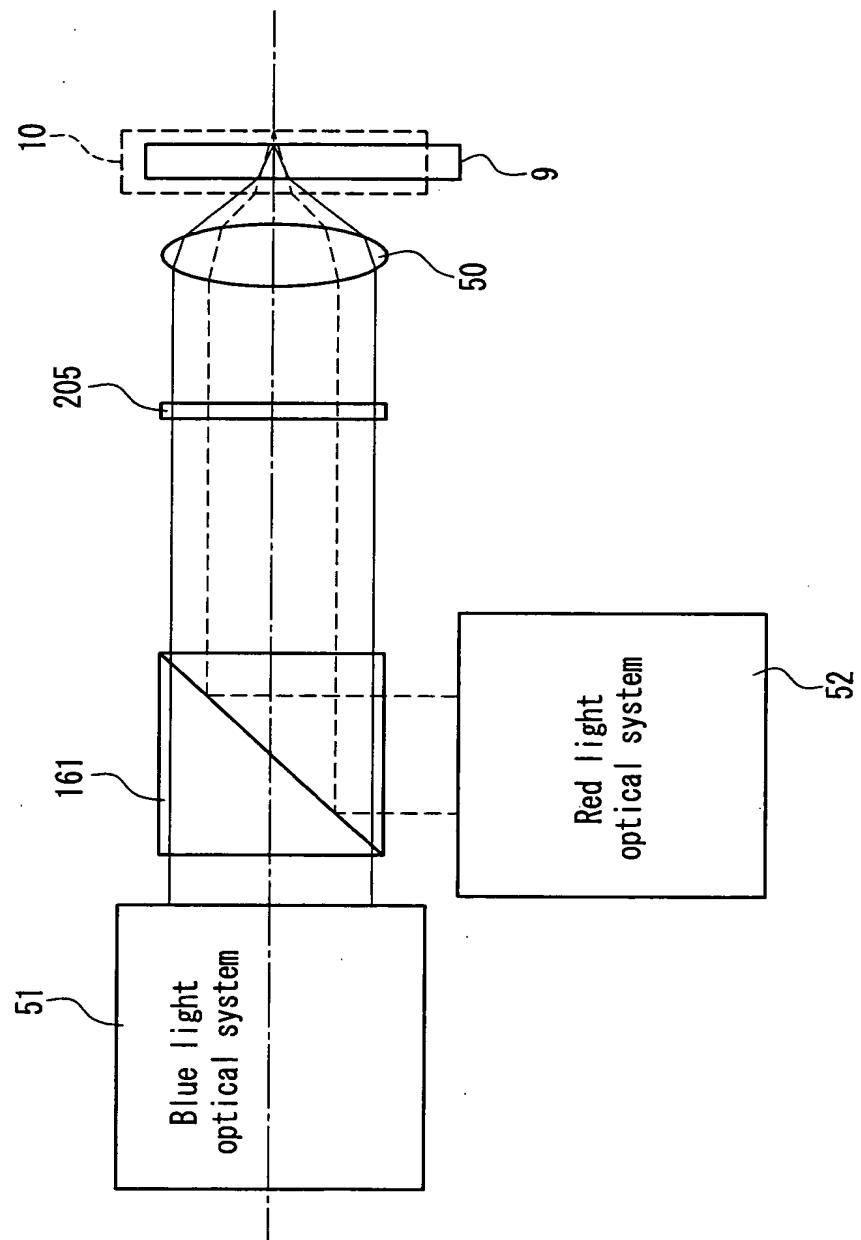


FIG. 12
PRIOR ART

FIG. 13A
PRIOR ART

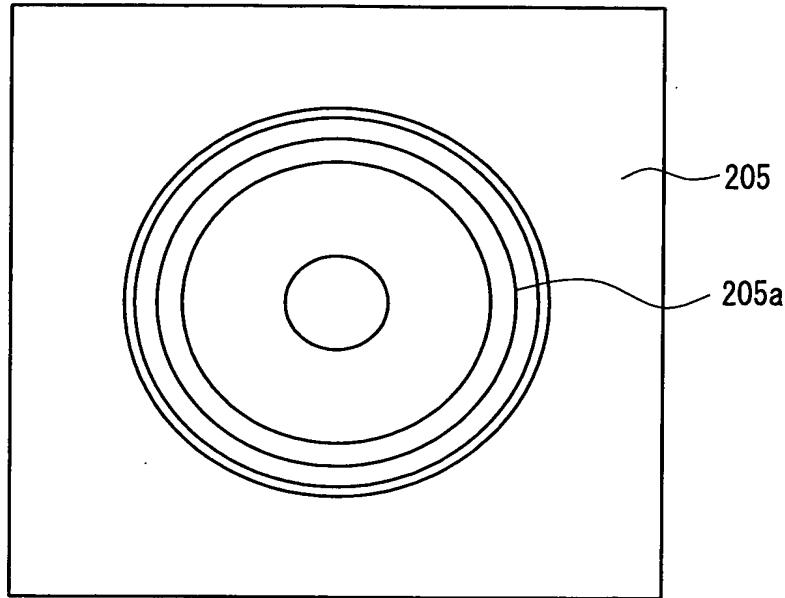
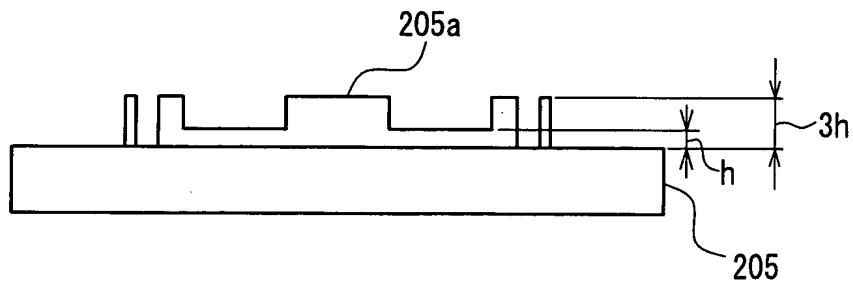


FIG. 13B
PRIOR ART



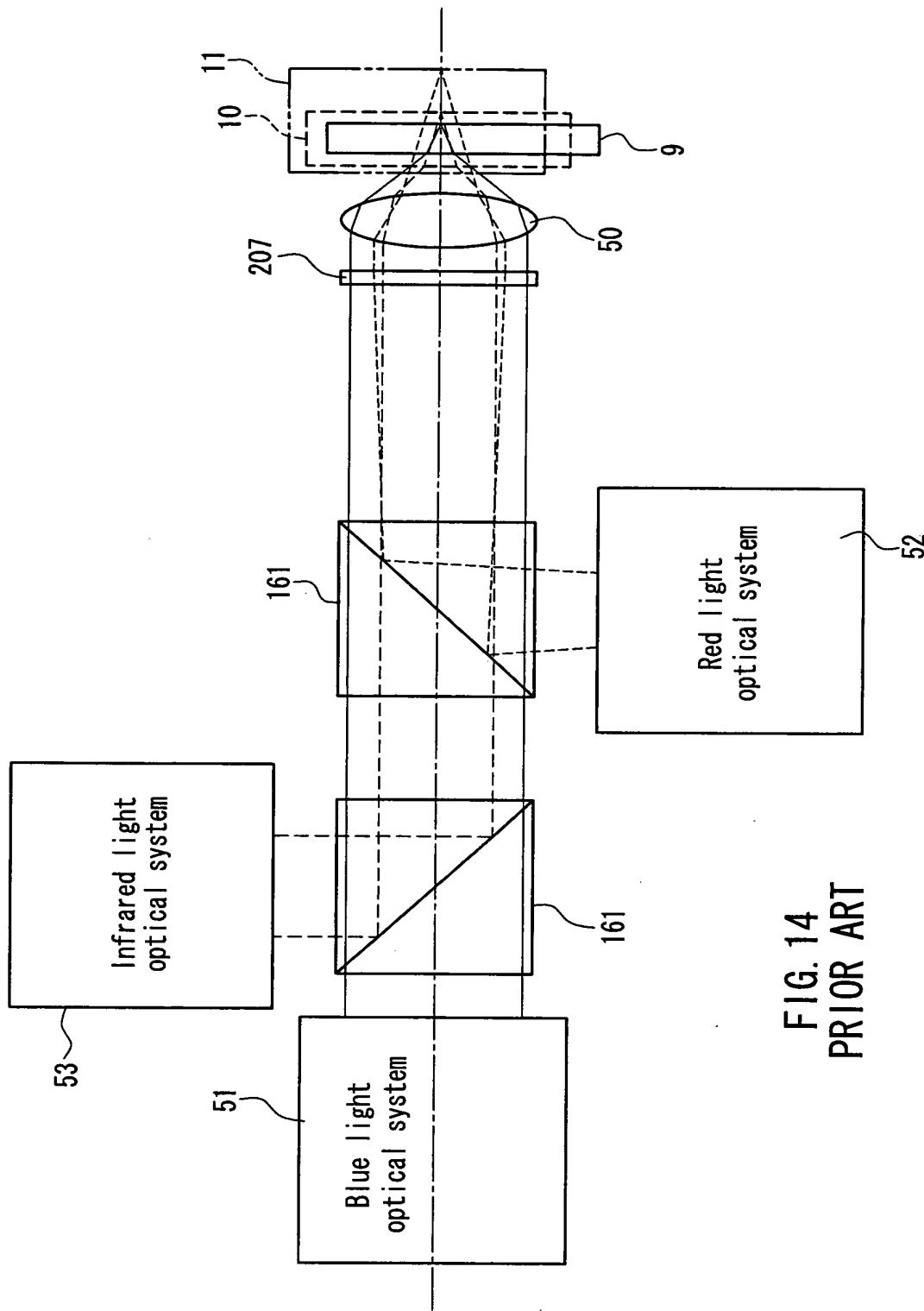


FIG. 14
PRIOR ART